

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): An EL device comprising a first electrode, a first insulator layer, a thin film inorganic light emitting layer, a second insulator layer and a second electrode layer successively stacked on an electrical insulating substrate, wherein:

at least one of said first insulator layer and said second insulator layer comprises barium titanate, magnesium oxide, manganese oxide, at least one oxide selected from barium oxide and calcium oxide, silicon oxide, and optionally yttrium oxide,

wherein the amount of magnesium oxide, manganese oxide, yttrium oxide, barium oxide, calcium oxide and silicon oxide with respect to 100 moles of barium titanate is:

MgO: 0.1 to 3 moles,

MnO: 0.05 to 1.0 mole,

Y₂O₃: 1 mole or less,

BaO+CaO: 2 to 12 moles, and


SiO₂: 2 to 12 moles.

Claim 2 (original): The EL device according to claim 1, wherein said electrical insulating substrate and said first insulator layer are each formed of a ceramic material.

Claim 3 (previously amended): The EL device according to claim 1 or 2, wherein BaO, CaO and SiO₂ are present in at least one of the first and second insulator layers in the form of (Ba_xCa_{1-x}O)_y·SiO₂ where $0.3 \leq x \leq 0.7$ and $0.95 \leq y \leq 1.05$ and in an amount of 1 to 10% by weight with respect to the sum of the weights of BaTiO₃, MgO, MnO and Y₂O₃.

Claim 4 (previously amended): The EL device according to claim 2, wherein said first electrode comprises one or two or more of Ni, Ag, Au, Pd, Pt, Cu, W, Fe, and Co or any one of Ag-Pd, Ni-Mn, Ni-Cr, Ni-Co and Ni-Al alloys.

Claim 5 (previously amended): The EL device according to claim 3, wherein said first electrode comprises one or two or more of Ni, Ag, Au, Pd, Pt, Cu, W, Fe, and Co or any one of Ag-Pd, Ni-Mn, Ni-Cr, Ni-Co and Ni-Al alloys.

 Claim 6 (previously added): The EL device of Claim 1, wherein the light emitting layer comprises at least one material selected from the group consisting of ZnS, Mn/CdSSe, ZnS:TbOF, ZnS:Tb, SrS:Ce, (SrS:Ce/ZnS)_n, CaGa₂S₄:Ce, and SrS:Ce/ZnS:Mn.

Claim 7 (previously added): The EL device of Claim 1, wherein the light emitting layer has a thickness of 100 to 1000 nm.

Claim 8 (previously added): The EL device of Claim 1, wherein the second electrode comprises at least one material selected from the group consisting of tin-doped indium oxide, zinc-doped indium oxide, indium oxide, tin oxide, and zinc oxide.

Claim 9 (previously added): The EL device of Claim 1, wherein the amount of MgO relative to 100 moles of barium titanate is 0.5 to 1.5 moles.

Claim 10 (previously added): The EL device of Claim 1, wherein the amount of MnO relative to 100 moles of barium titanate is 0.2 to 0.4 moles.

Claim 11 (previously added): The EL device of Claim 1, wherein the ratio (BaO + CaO)/SiO₂ is in the range of 0.9 to 1.1.

Claim 12 (previously added): The EL device of Claim 1, wherein the amount of yttrium oxide is in the range of 0.1 to 1 moles relative to 100 moles of barium titanate.

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Claim 13 (previously added): The EL device of Claim 1, wherein the first insulator layer has an average crystal grain diameter of 0.2 to 0.7 μm .

Claim 14 (previously added): The EL device of Claim 1, wherein the first electrode comprises a material selected from the group consisting of Ag, Pd, and Ag-Pd alloys.

Claim 15 (previously added): The EL device of Claim 1, wherein the substrate comprises Al₂O₃ and optionally one or more oxides selected from the group consisting of SiO₂, MgO, and CaO.
